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IDEA-0214-69

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25 February 1969

MEMORANDUM FOR: Deputy for Operations, OSA
IDEALIST/Operations/OSA
Deputy for Materiel, OSA

SUBJECT: Provision for use of Bottled Gas for IRIS II
Configuration

REFERENCE A: IDEA-0180-69 dated 19 February 1969
B: IDEA-0025-69 dated 20 February 1969
C: IDEA-0183-69 dated 24 February 1969
D: [REDACTED] (IN 91774) dated 22 Feb 1969
E: [REDACTED] (IN 91856) dated 24 Feb 1969

1. This memorandum gives answers requested in paragraphs 2 and 3 of Reference B.

2. Answers for paragraph 2, Reference B;

A. Cost - See Reference C. No cost estimates solicited from contractors but total should approximate [REDACTED]

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B. Weight - For a four (4) bottle system, weight would be about 170# \pm 5#.

C. Space required - Four (4) bottle rack and bottles would fit on the rear bulkhead where the three bottle rack is now placed when utilized. Modifications to establish thermal stabilization will be determined at meeting to be held at Project Headquarters on 5 March 1969.

D. SSD/R&D/OSA is not aware of any test mission where a reducing valve froze up. A review of test mission records verify this statement.

3. Answers for paragraph 3, Reference B:

A: Further research is being conducted on shock mounting of air compressor. See References D and E.

B: Centrifugal type pump - See Reference D.

C: See paragraph 2 of this memorandum.

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SSD/R&D/OSA/[redacted]:bjg

Distribution:

- Cy 1 - D/O/OSA
- 2 - IDEA/O/OSA
- 3 - D/M/OSA
- 4 - DD/SA
- 5 - D/R&D/OSA
- 6 - B&FD/OSA
- 7 - COMPT/OSA
- 8 - CMD/OSA
- 9 - SSD/R&D/OSA
- 10 - SSD Chrono
- 11 - RB/OSA

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SECRET

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